

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|---|---|------------------|---------|---------------------|
| S1    | 25819 | (oil?in?water emulsion) OR (biliquid foam) OR (biliquid emulsion)                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/01/25<br>12:38 |
| S2    | 29409 | (oil?in?water emulsion) OR (biliquid foam) OR (biliquid emulsion) OR (o/w emulsion) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/01/25<br>12:38 |
| S3    | 1246  | S2 and (polymer matrix)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/01/25<br>12:38 |
| S4    | 131   | S3 and encapsulate  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/01/25<br>12:39 |
| S5    | 1686  | S2 same (coated OR encapsulated)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/01/25<br>12:49 |
| S6    | 48336 | polymer matrix  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/01/25<br>12:50 |
| S7    | 13    | S5 SAME (polymer matrix)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2008/01/25<br>12:50 |

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| S8  | 2    | US-4960814-\$.DID.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/01/25<br>13:07 |
| S9  | 0    | EP-0938932-\$.DID.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/01/25<br>13:40 |
| S10 | 2    | US-5221713-\$.DID.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/01/25<br>14:05 |
| S11 | 3485 | polymer shell  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/01/25<br>16:06 |
| S12 | 54   | S11 AND (emulsion core)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/01/25<br>16:07 |
| S13 | 45   | oiliquid AND (cyclomethicone<br>OR dimethicone OR (phenyl<br>trimethicone) OR<br>dimethiconol OR<br>(dimethicone copolyol) OR<br>trimethylsiloxysilicate OR<br>(isopropyl isostearate) OR<br>lanolate or myristate or<br>palmitate or (octyl palmitate)<br>or (avocado oil) OR (coconut<br>oil) OR (soybean oil) OR<br>(sunflower oil) OR (caprylic<br>triglyceride) OR (capric<br>triglyceride) OR (lanolin oil)<br>OR (orange oil) OR (mineral<br>oil) OR (natural oil) OR (oleyl<br>alcohol)) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/01/25<br>16:21 |
| S14 | 2    | US-3016308-\$.DID.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2008/01/26<br>09:40 |

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| S15 | 4  | "3549555".pn.                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/04<br>13:48 |
| S16 | 12 | bi?liquid adj3 foam                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/04<br>15:08 |
| S17 | 1  | (bi?liquid adj3 foam) and powder                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/04<br>15:14 |
| S18 | 2  | "6312760".pn.                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/04<br>15:15 |
| S19 | 2  | "6312760".pn. and foam                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/04<br>15:15 |
| S20 | 0  | "6632457".pn. and foam and bi\$liquid and powder | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/04<br>16:18 |
| S21 | 0  | "6632457".pn. and foam and powder                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/04<br>16:18 |
| S22 | 2  | "6632457".pn. and powder                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/04<br>16:18 |
| S23 | 1  | "6129906".pn. and powder and foam                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/04<br>16:38 |

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| S24 | 1  | "3549555".pn. and (drug or active or medicament or agent) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/04 20:01 |
| S25 | 2  | "4486333".pn.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 08:47 |
| S26 | 99 | biliqid with foam   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 09:03 |
| S27 | 2  | S26 and (discrete adj3 (powder or granule or particle))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 09:03 |
| S28 | 49 | S26 and (powder or granule or particle)                   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 09:04 |
| S29 | 9  | S26 same (powder or granule or particle)                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 09:04 |
| S30 | 2  | "6312760".pn.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 09:12 |
| S31 | 2  | "6165479".pn.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 09:13 |
| S32 | 0  | "6165479".pn. and powder                                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 09:15 |

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| S33 | 2   | "4986429".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>09:16 |
| S34 | 1   | "6749673".pn. and (biliqid with foam)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>09:32 |
| S36 | 1   | "4486333".pn. and (powder or granule or particle or particulate) and (coat\$4 or caps\$4 or encaps\$6) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>09:48 |
| S39 | 99  | biliqid with foam  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>11:32 |
| S40 | 10  | S39 same (powder or granule or particle or microsphere or nanosphere or microcapsule or nanocapsule)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>11:32 |
| S41 | 34  | (oil adj3 foam) same (aqueous adj3 foam)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>11:38 |
| S42 | 6   | (oil adj3 foam) same (aqueous adj3 foam) and powder  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>11:39 |
| S43 | 110 | S39 or polyaphron  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>11:50 |
| S44 | 4   | S43 same powder  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>11:51 |

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| S45 | 115 | (aphron or polyaphron) and (powder or granule or particle or microsphere or nanosphere or microcapsule or nanocapsule)           | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 11:52 |
| S46 | 43  | (aphron or polyaphron) and (powder or granule or particle or microsphere or nanosphere or microcapsule or nanocapsule).clm.      | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 11:52 |
| S47 | 17  | (aphron or polyaphron).clm. and (powder or granule or particle or microsphere or nanosphere or microcapsule or nanocapsule).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 11:52 |
| S48 | 38  | (aphron or polyaphron) same (powder or granule or particle or microsphere or nanosphere or microcapsule or nanocapsule)          | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 11:53 |
| S49 | 18  | (dual adj3 liquid) with foam   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 12:06 |
| S50 | 3   | dual adj3 liquid adj3 foam   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 12:06 |
| S51 | 3   | "0938932"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 12:10 |
| S52 | 19  | "938932"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 12:11 |
| S53 | 0   | "B0938932"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/05 12:12 |

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| S54 | 4 | "6416751"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>12:12 |
| S55 | 2 | "6416751".pn.                                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>12:12 |
| S56 | 0 | "6416751".pn. and foam                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>12:15 |
| S57 | 1 | "6416751".pn. and surfact\$4                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>12:15 |
| S58 | 1 | "6129906".pn. and powder<br>and foam and surfact\$4 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>12:46 |
| S60 | 4 | "3016308".pn.                                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/02/05<br>14:21 |

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